

Fig. 1

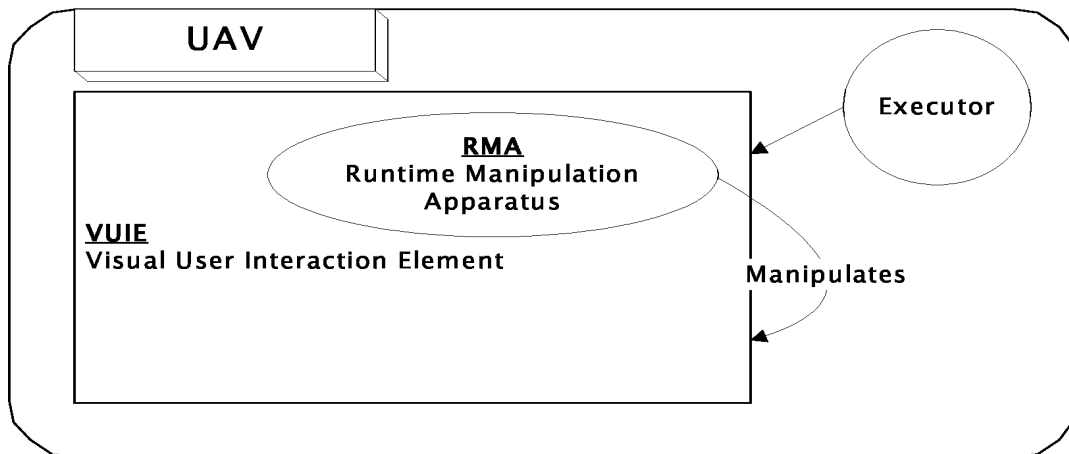


Fig. 2

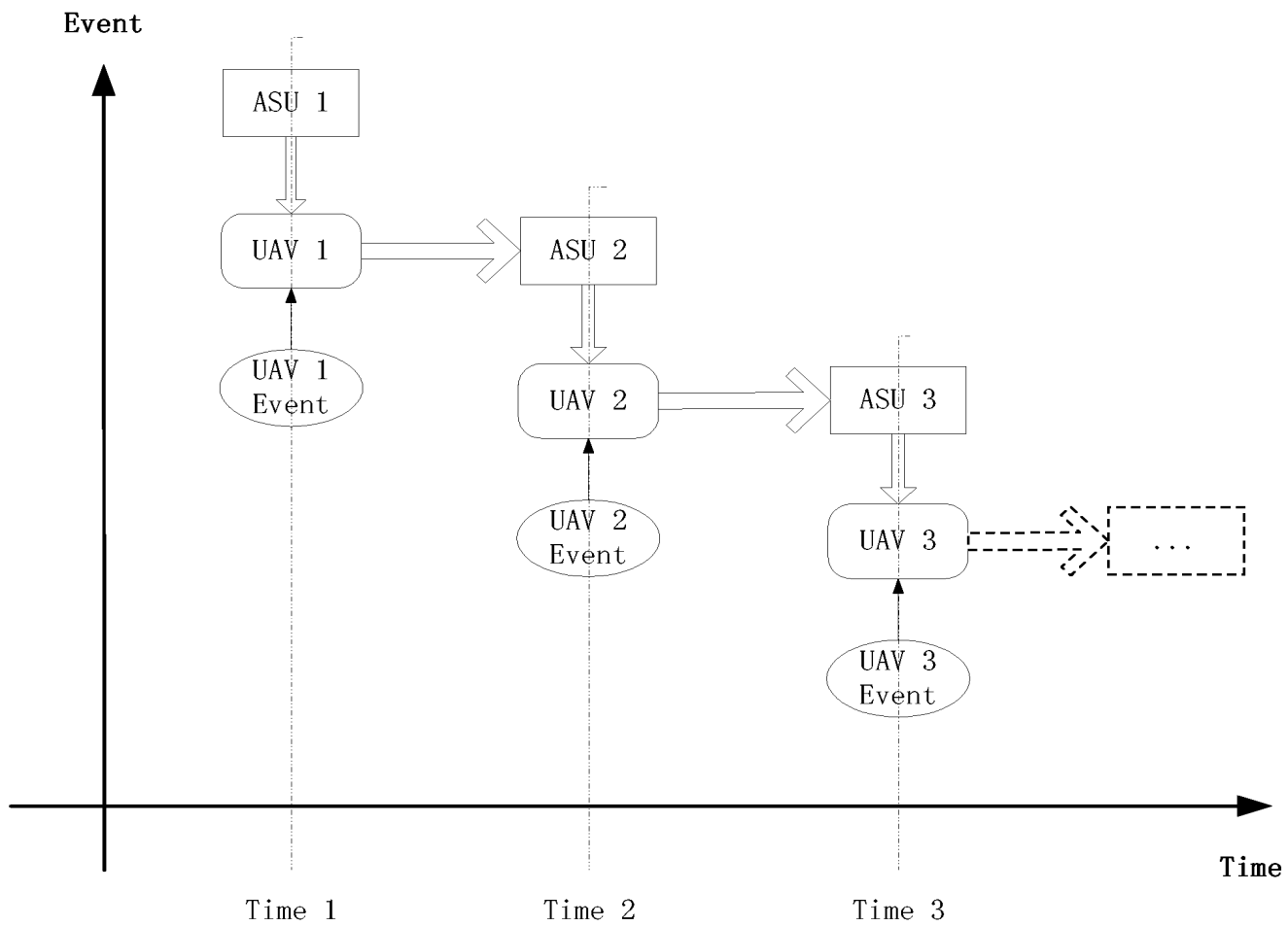


Fig. 3

```

1  <?php
2      // By Ming Guo 7-28-2004
3
4      ob_start(); // Enabling caching for setcookie();
5      include("inc/db_connect.php");
6
7      $q_from = $_REQUEST['from'];
8      $q_person_id = $_REQUEST['person_id'];
9
10     $match_type = "message/x-js-hilbertguo";
11     $charset = "charset=iso-8859-1";
12     $request_accept = $_SERVER["HTTP_ACCEPT"];
13
14     if(is_integer(strpos($request_accept, $match_type ))){
15         header("Content-Type: " . $match_type . "; " . $charset);
16
17         @mysql_select_db("profile", $conn) or
18         die("Unable to select database: " . "profile");
19
20         if($q_from == 'normal_path'){
21             $f_query = "SELECT thumb_photo, catchy_desc, age, city,"
22                 . "person_id FROM person ORDER BY RAND() LIMIT 1";
23             $f_result = mysql_query($f_query);
24             $f_row = mysql_fetch_row($f_result);
25
26             $f_thumb_photo = trim($f_row[0]);
27             $f_catchy_desc = trim($f_row[1]);
28             $f_age         = $f_row[2];
29             $f_city        = trim($f_row[3]);
30             $f_person_id   = $f_row[4];
31
32             $n_catchy_desc = strlen($f_catchy_desc);
33             $n_city        = strlen($f_city);
34
35

```

parameters for ASU

Fig. 4

```

36         if($n_catchy_desc > 10){
37             $f_catchy_desc=substr($f_catchy_desc,0,10)."...";
38         }
39
40         if($n_city > 15){
41             $f_city = substr($f_city, 0, 15) . "...";
42         }
43
44         echo <<<EOP
45 var photo_node = document.getElementById('photo-content');
46 photo_node.replaceChild(replace_photo, photo_node.firstChild);
47
48 var catchy_desc_node = document.getElementById('prof-desc');
49 catchy_desc_node.firstChild.nodeValue = "$f_catchy_desc";
50
51 var age_node = document.getElementById('prof-age');
52 age_node.firstChild.nodeValue = "$f_age";
53
54 var city_node = document.getElementById('prof-city');
55 city_node.firstChild.nodeValue = "$f_city";
56
57 var person_id_node;
58 var new_state_node = document.getElementById('profile-state');
59 var profile_node = document.getElementById('profile-content');
60 if(!new_state_node){
61     new_state_node = document.createElement('span');
62     new_state_node.id = 'profile-state';
63     new_state_node.style.display = 'none';
64     person_id_node = document.createTextNode("$f_person_id");
65     new_state_node.appendChild(person_id_node);
66     profile_node.appendChild(new_state_node);
67     profile_node.addEventListener("mouseclick", event_handler,
68                                         true);
69 }else{

```

Annotations in the diagram:

- A vertical box labeled **VUIE** is positioned to the right of lines 49, 52, and 55.
- A vertical box labeled **UAV** is positioned to the right of line 63.
- A box labeled **"inactive" tag** has an arrow pointing to line 63.
- A box labeled **RMA** has an arrow pointing to line 67.

Fig. 5

```

70     person_id_node = new_state_node.firstChild;
71     if(!person_id_node){
72         person_id_node = document.createTextNode("$f_person_id")
73         new_state_node.appendChild(person_id_node);
74     }else{
75         person_id_node.nodeValue = "$f_person_id";
76     }
77 }
78 \n
79 EOP;
80     } else if($q_from == 'alternate_path') {
81         $f_query = "SELECT catchy_desc, age, city FROM person"
82             . "WHERE person_id = $q_person_id";
83         $f_result = mysql_query($f_query);
84         $f_row = mysql_fetch_row($f_result);
85
86         $f_catchy_desc = trim($f_row[0]);
87         $f_age         = $f_row[1];
88         $f_city        = trim($f_row[2]);
89
90         echo <<<EOP
91 alert("$f_catchy_desc\\n\\nAge: $f_age\\nCity:  $f_city");
92 \n
93 EOP;
94     } else {}
95     }
96     ob_end_flush(); // flush all cached data
97                     // time to actually send out the HTTP header
98 ?>

```

V
U
I
E

U
A
V

U
A
V

Alternative

Fig. 6